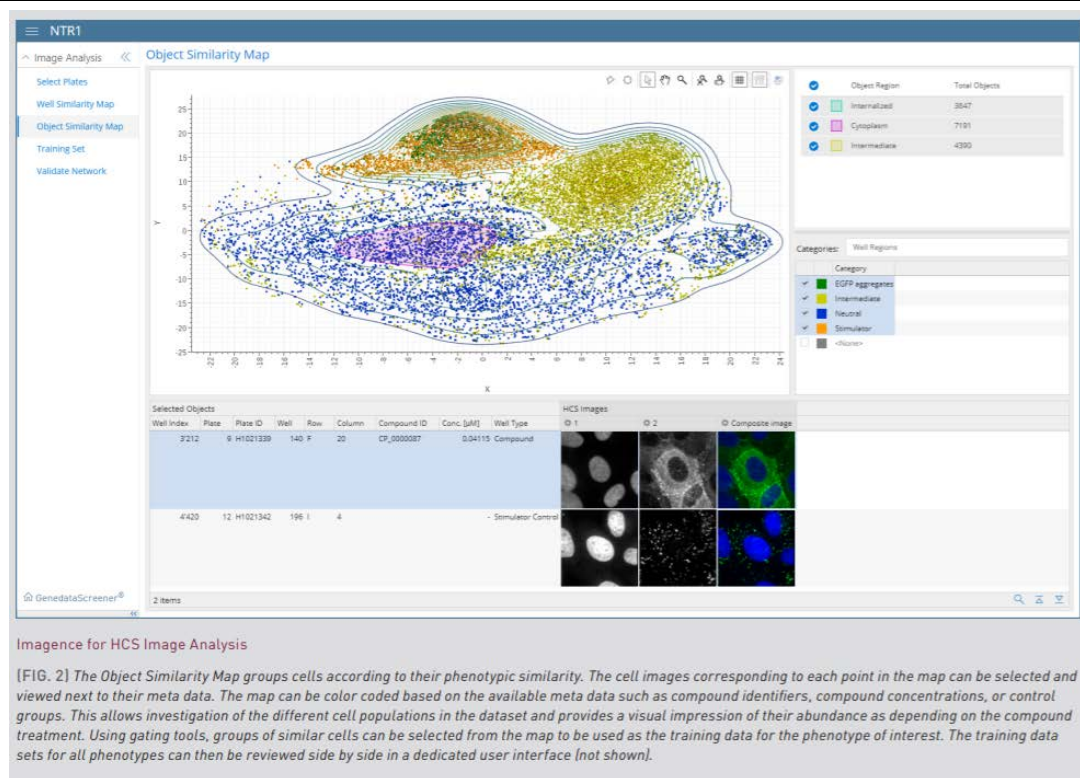


EXHIBIT D

EXHIBIT D - Infringement of Claim 1 of U.S. Patent Number 7,088,854 by Genedata (USA), Inc.

CLAIM LANGUAGE	Infringing Application
<p>1. A computer program product for generating special-purpose image analysis algorithms comprising:</p> <p>a computer usable medium having computer readable program code embodied therein, said computer readable program code configured to:</p>	<p>Deep Learning for HCS Image Analysis</p> <p>Genedata has developed an innovative high content screening (HCS) image analysis workflow based on deep learning that cuts image analysis times by an order of magnitude, while increasing data quality and reproducibility of results.</p> <p>Genedata Imagence® for HCS Image Analysis:</p> <ul style="list-style-type: none"> • Automates time consuming and repetitive tasks during image analysis set-up • Increases reproducibility and detects complex phenotypes by eliminating the biased selection of handcrafted features • Saves time by quickly being re-applied in different experimental settings • Seamlessly integrates with Genedata Screener for image data analysis <p>https://www.genedata.com/products/imagence/</p> <p>Genedata high content screening (HCS) image analysis (“Infringing Product”) is a computer program product for generating image analysis for detecting complex phenotypes.</p>

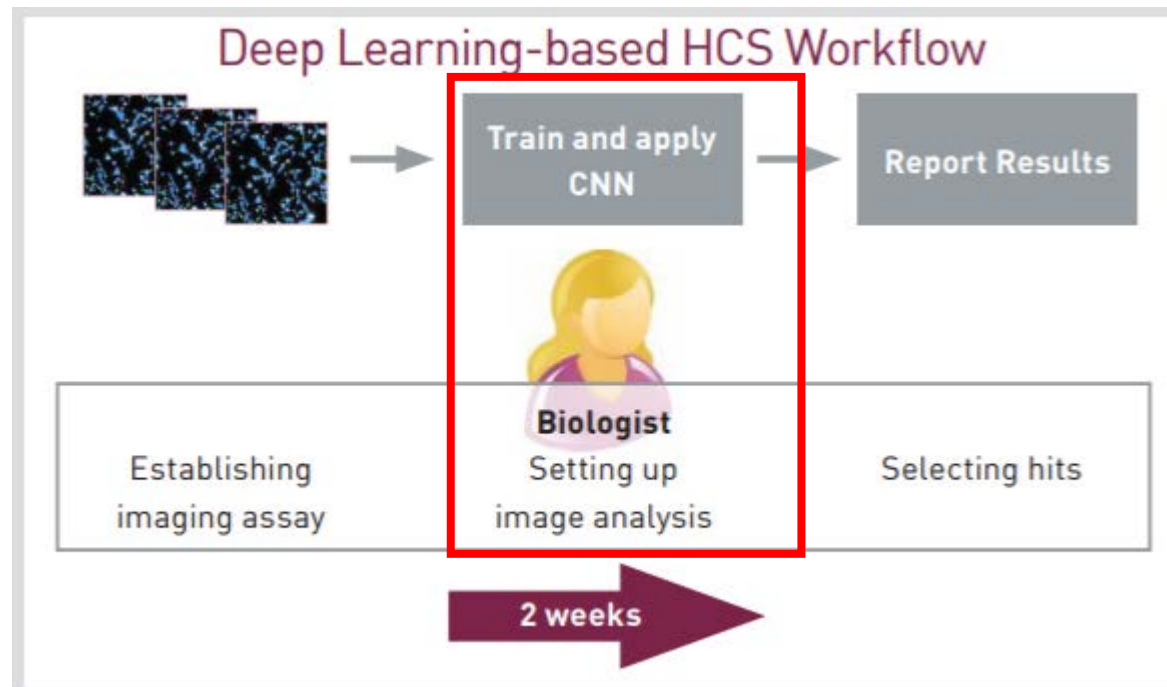
<p>obtain at least one image having a plurality of chromatic data points;</p>	<div data-bbox="852 164 1131 217"><h3>New Insights</h3></div> <div data-bbox="852 261 1449 480"><p>Classifying phenotypes is an arduous task that requires expertise and intimate knowledge of cells and experimental conditions, and often only expected phenotypes can be found and classified.</p></div> <div data-bbox="852 488 1461 889"><p>With the Imagence solution, phenotypes are grouped based only on similarities in the experimental images (Fig. 2), and the scientist can base their phenotype identification on the network's unbiased grouping combined with their own biological expertise. This way, the potential to find new phenotypes and gain new insights significantly increases.</p></div> <div data-bbox="464 911 1906 946"><p>https://www.genedata.com/fileadmin/documents/Product_Sheets/Imagence for HCS Image Analysis web.pdf</p></div> <div data-bbox="932 971 1434 1006"><p>The Infringing Product takes an image.</p></div>
---	--



<https://www.visiopharm.com/ai-deeplearning>

The image includes a plurality of chromatic data points.

generate an evolving algorithm that partitions said plurality of chromatic data points within said at least one image into at least one entity identified in accordance with a user's judgment; and



https://www.visiopharm.com/files/brochures/20181116_AI_Deep_Learning_Brochure_A4_Final.pdf

The Infringing Product generates an evolving algorithm based on user manual annotation of objects of interest thereby training the convolutional neural network (CNN).

store a first instance of said evolving algorithm as a product algorithm wherein said product algorithm enables the automatic classification of instances of said at least one entity within at least one second image in accordance with said judgment of said user.

Store

As the size of HCS campaigns continues to grow, scalability increasingly depends on properly managing the resulting data volumes. With Screener for HCS you can:

- ▶ Establish a central image store and connect to image analysis software
- ▶ Browse and query for images using metadata from different experiments and HCS platforms
- ▶ Maintain full access control via authorization and authentication
- ▶ Set up routine maintenance tasks with a low maintenance overhead

Screener supports campaigns starting from the moment data originates, through analysis and interpretation, to reporting results to their final destination. All this while controlling data integrity and access throughout the entire workflow.

https://www.genedata.com/fileadmin/documents/Product_Sheets/Screener_for_HCS_web.pdf

The Infringing Product stores the evolving algorithm and runs the stored algorithm on all the data to automatically classify additional images.